



7-24-97  
12/3

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Graydon Ernest Beatty et al.	Examiner:	Cohen, L.
Serial No.:	08/387,832	Group Art Unit:	3311
Filing Date:	May 26, 1995	Docket No.:	1125
Title	Endocardial Mapping System		

Date of Deposit: 7/30/97

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Signature: Daniel A. Tysver

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**RESPONSE**

Assistant Commissioner for Patents  
Washington, DC 20231

This is responsive to the outstanding Office Action mailed January 30, 1997, and identified as paper number 10. Reconsideration and allowance of this application is respectfully solicited in view of the following amendments and remarks.

**AMENDMENTS**

Please amend claims 3, 7, 8, 9, and 10 as follows:

3. (Twice Amended) A catheter assembly for mapping an interior of a patient's heart, comprising:
- a first set of electrodes defining [an] a substantially spherical electrode array adapted such that a [substantial number] plurality of said electrodes are not in contact with the patient's heart [, the first electrode array defining a substantially spherical shaped space]; [and]
  - a second set of electrodes;
  - a first positioning means coupled to said second set of electrodes adapted for positioning said second set of electrodes apart [displaced] from said first set of